

## CLAIMS

1. What I claim as my invention is the process by which the volume within an air tight space, void, container, tank or pipe can be determined using electronic gas mass flow technology.
2. The process can use regulated pressurized air.
3. The process can use regulated pressurized gas for specialty requirements such as fuel tanks, chemical containers.
4. The process can use atmospheric air entering into an evacuated void, space, container, tank or pipe
5. The process can use air being drawn through the sensor with vacuum to determine volume.
6. By changing sensor size, voids or containers of varying size can be measured.
7. The process can be modified such that partial pressure can be used.  
As an example, if a pressure of 7.35 psi is used, the volume recorded would be doubled as we have only pressurized with half the volume (of air or gas).
8. The process can be modified such that partial vacuum can be used.  
As an example, if we use a vacuum of 14.96 inches of Mercury, the volume recorded would be doubled as only half the air has been removed.
9. The process can be enhanced by using unregulated or regulated pressure to identify leakage in a void or container and then locate such leakage with such simple means as 50% water/ 50% liquid household soap solution applied manually or through spray apparatus.